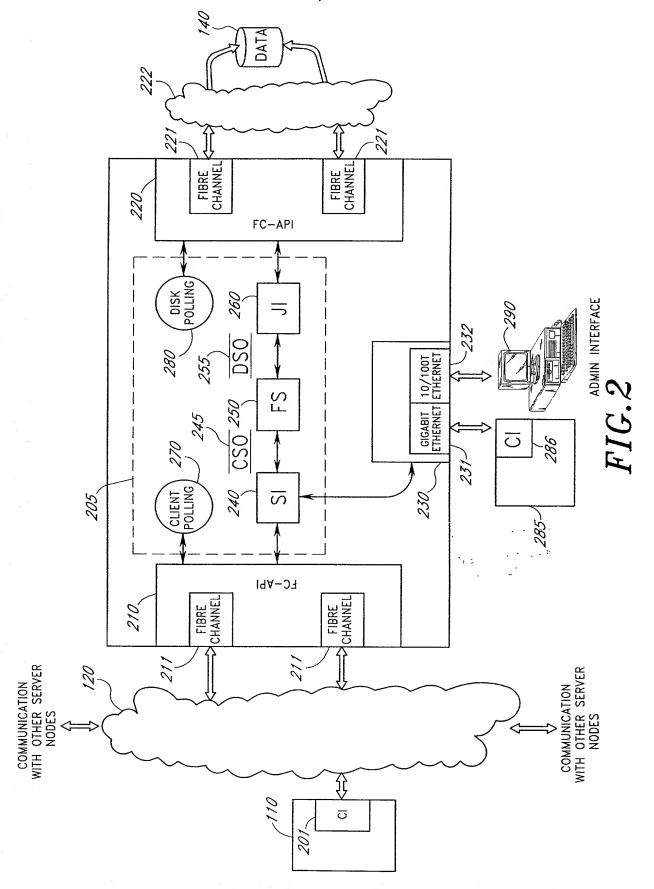
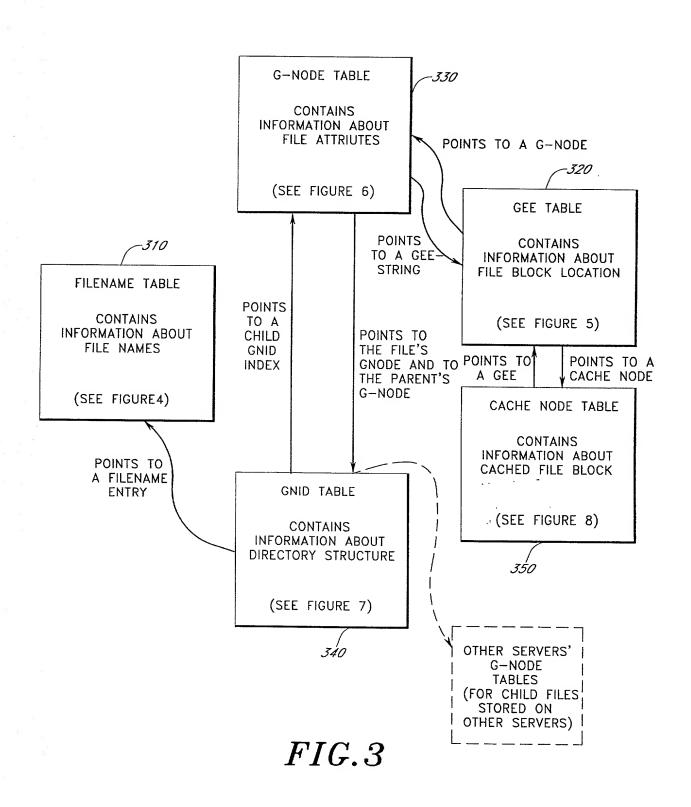


FIG. 1





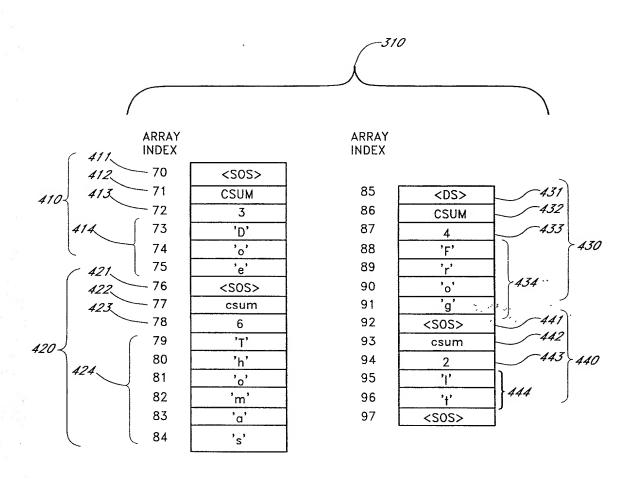


FIG.4

										5/	4	6													
													0	人200											
							7 550				_				,,,,,	/25						.552	١		
	592	FILE			2	3		4	5	9					7	8					6	10			
															13	-	13			T	13	15	19		
				VE 13	VE 15	VE 19	VE 2	1	VE 15	VE 19	VE 2				DRIVE	DRIVE	DRIVE				DRIVE		DRIVE		
320	-591			456,457 DRIVE	899,799	112,113 DRIVE	554,555	458,459		119,120 DRIVE	557			ROOT=FALSE	460,461,462	671,672,6	121,122,123			ROOT=FALSE	463,464,	674,675,676	124,125,126	ROOT=FALSE	
		DATA	, EX	i i	LOGICAL BLOCKS:		LOGICAL BLOCKS:		LOGICAL BLOCKS:	LOGICAL BLOCKS:	LOGICAL BLOCKS:	76		=67, EXTENT=3,	,	_,	LOGICAL BLOCKS:	88		=67, EXTENT=3,	LOGICAL BLOCKS:	LOGICAL BLOCKS:	AL.	=43, EXTENT=4,	
			GNODE=67	ı	DISK	DISK	DISK		DISK L	DISK	DISK L	INDEX	:	GNODE=67			DISK L	INDEX	::	GNODE=67	DISK L		DISK L	GNODE=43,	
	290	G-CODE	GNODE	DATA	DATA	DATA	PARITY	DATA	DATA	DATA	PARITY	LINK		GNODE	DATA	DATA	PARITY	LINK	•••	GNODE	DATA	DATA	PARITY	GNODE	
	_	INDEX	45	46	47	48	49	20	51	52	53	54	:	76	77	78	79	80	:	88	89	90	91	92	
	-	(510	7/10	5/2	777	5/5	212	10/0	1014	510	1	620	707	500	777	766	7.470	202	700	220	7/25	7,075	T	_

FIG.5

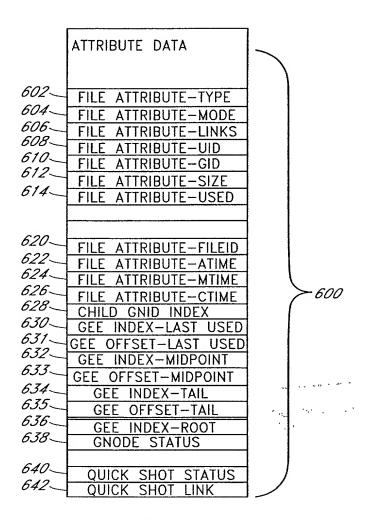
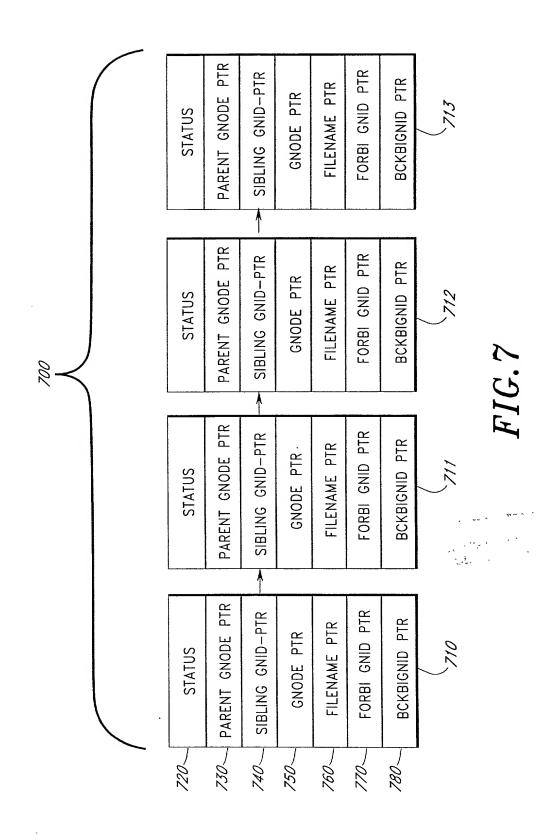


FIG.6



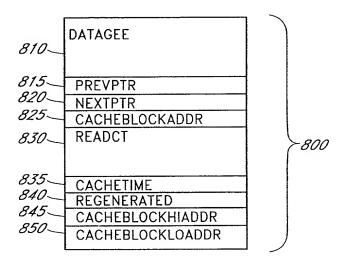


FIG.8A

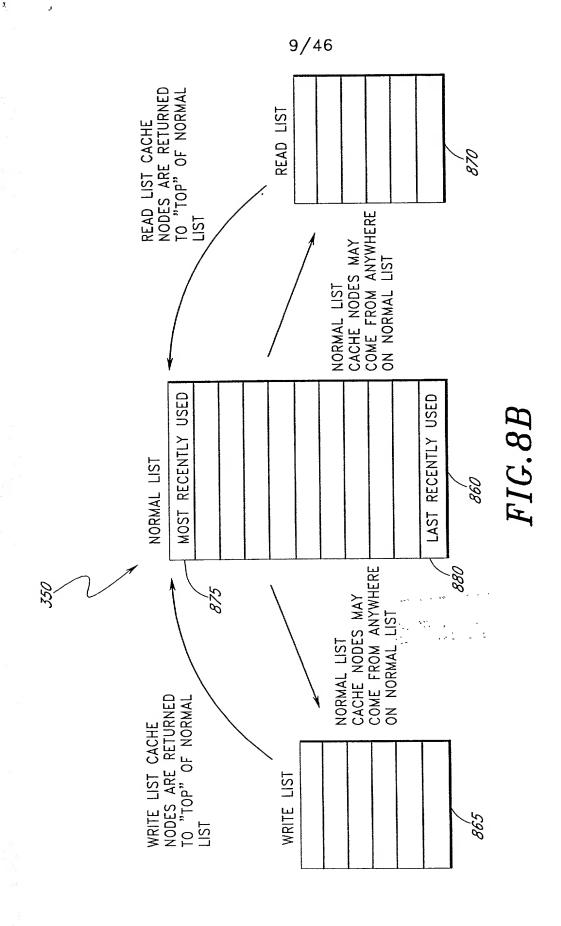
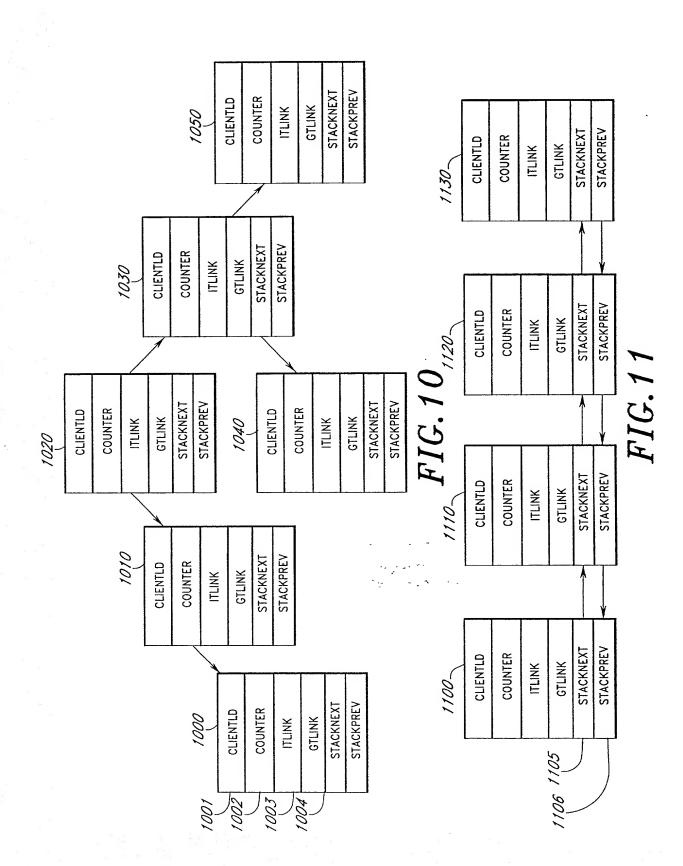


FIG.9

The first fi



	_1200
1210	STATUS
1220_	INTENT TYPE
1230	GOAL BUFFER INDEX
1240	SPARE
1250	DRIVE SECTOR
1260	DRIVE
1270	INTENT DATA

FIG. 12

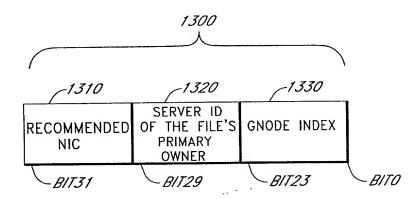


FIG. 13

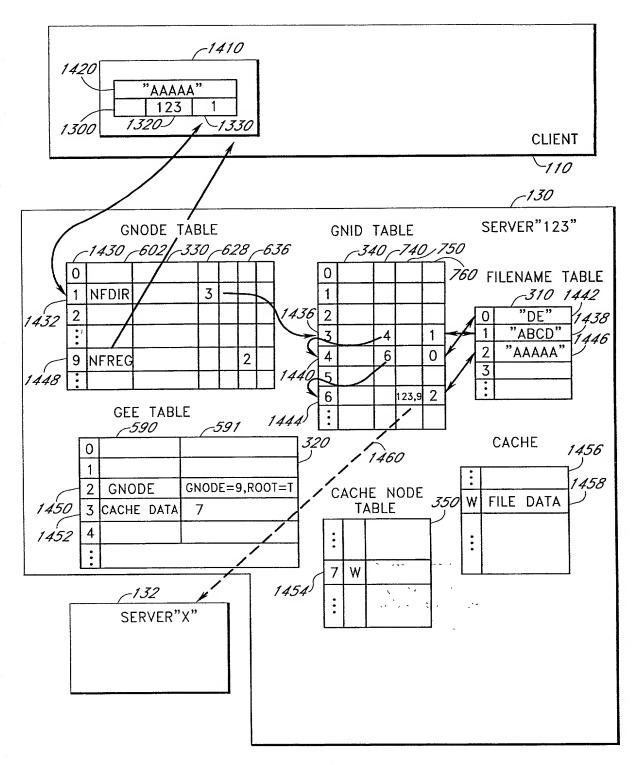


FIG. 14A

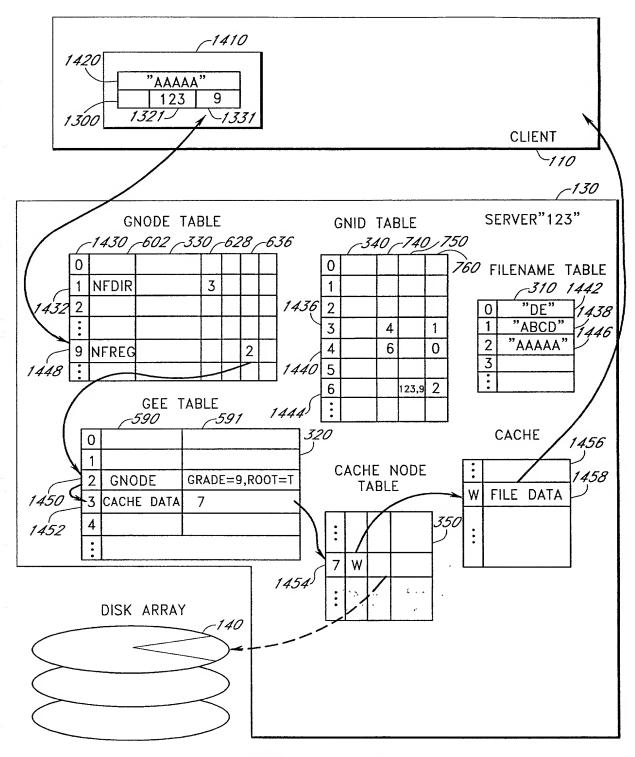


FIG. 14B

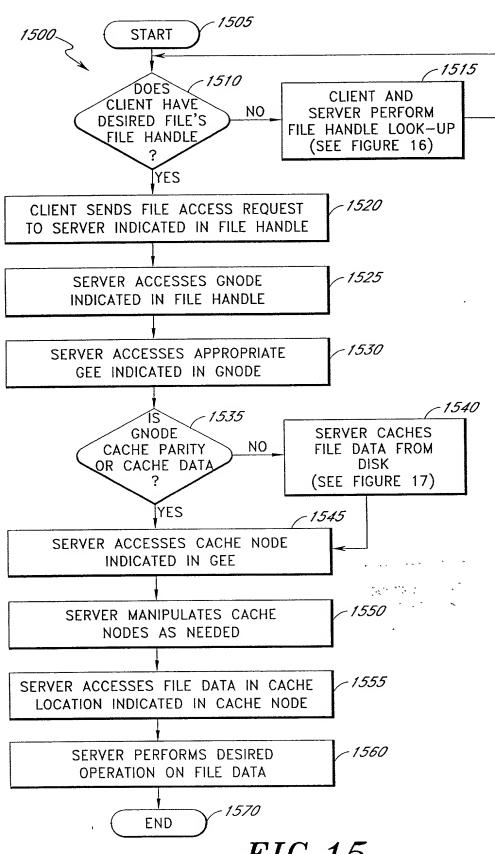


FIG. 15

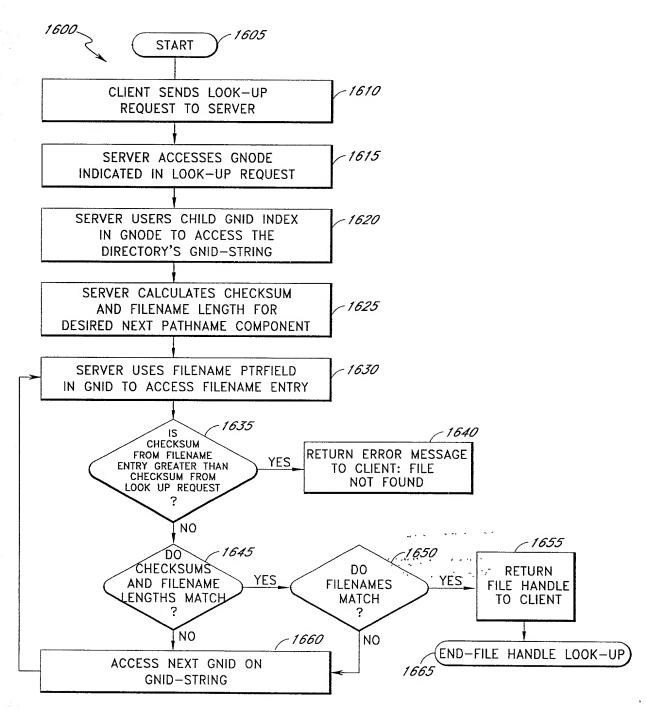


FIG. 16

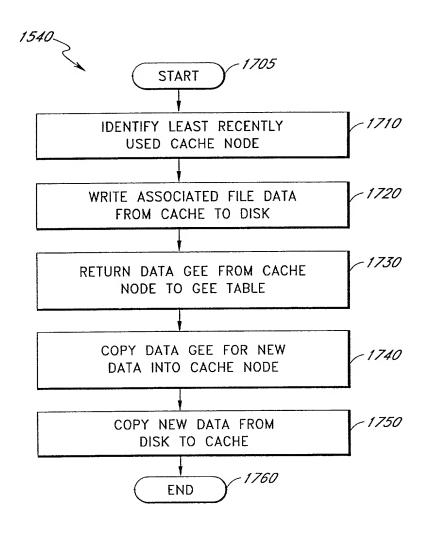
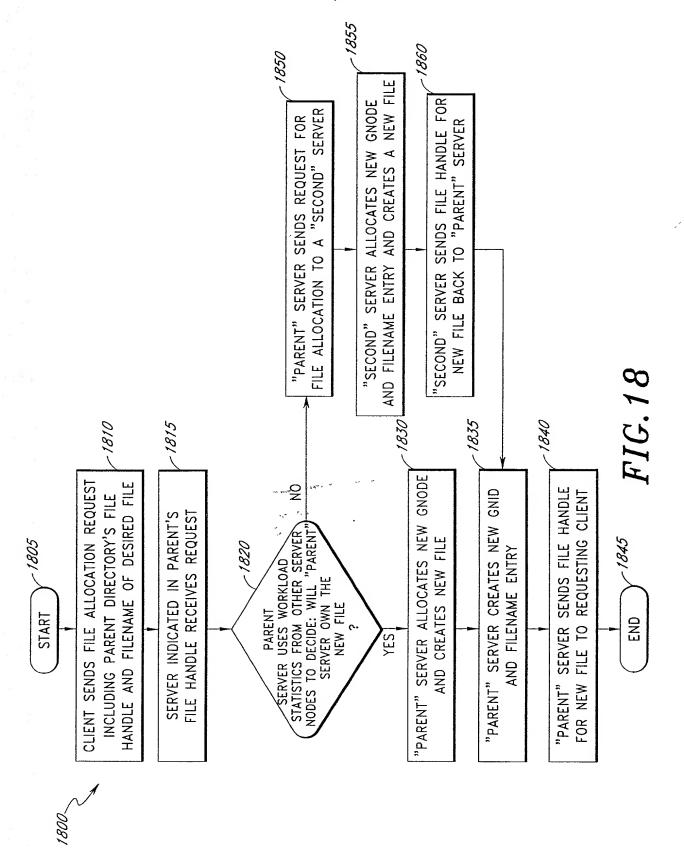


FIG. 17



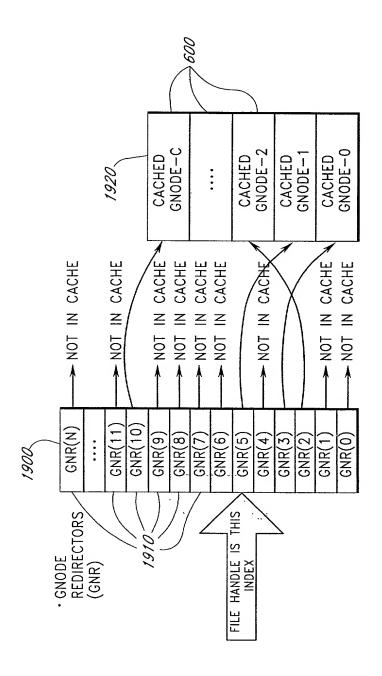
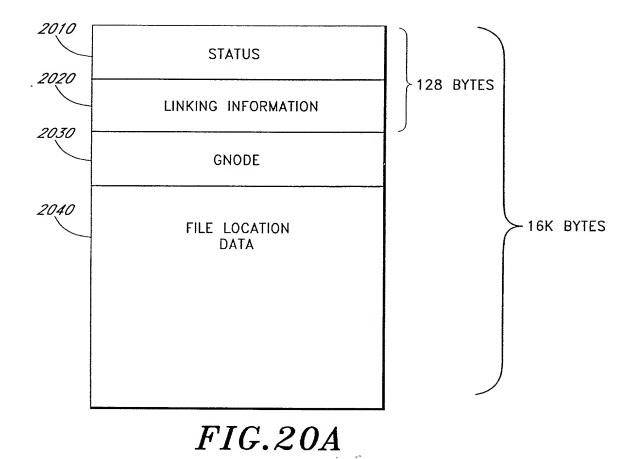


FIG. 19



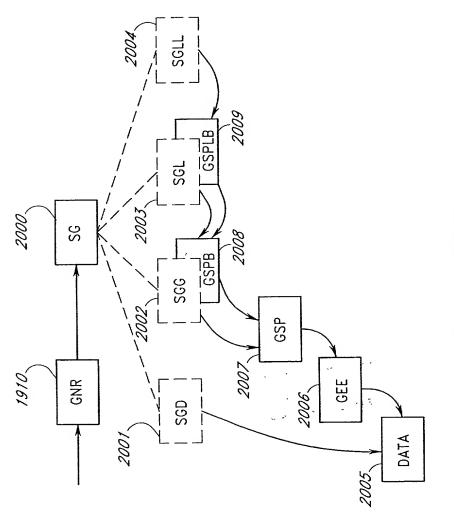


FIG.20B

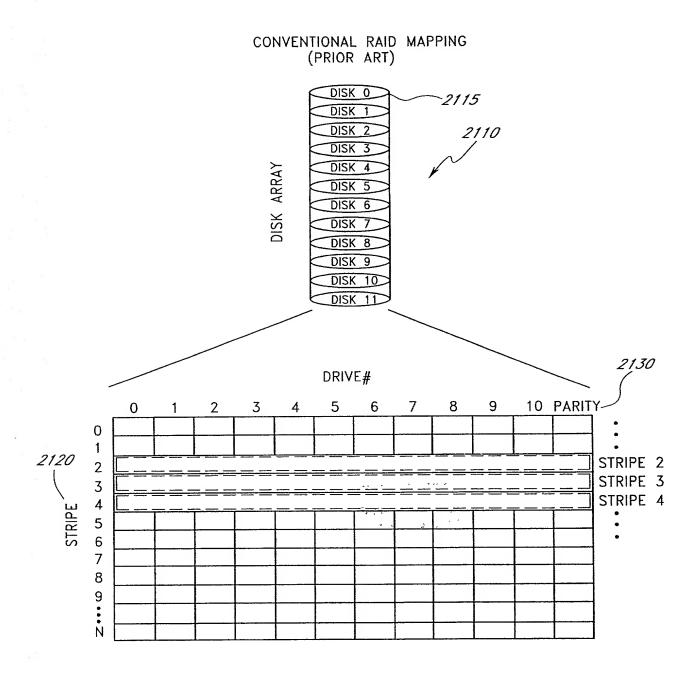


FIG.21

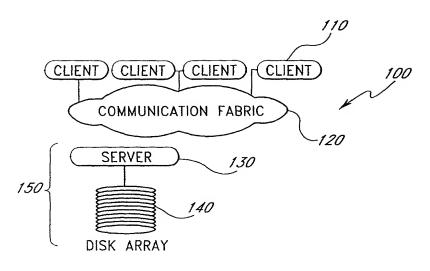


FIG.22A

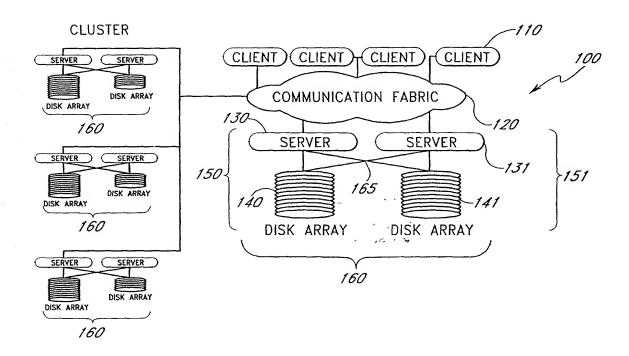


FIG.22B

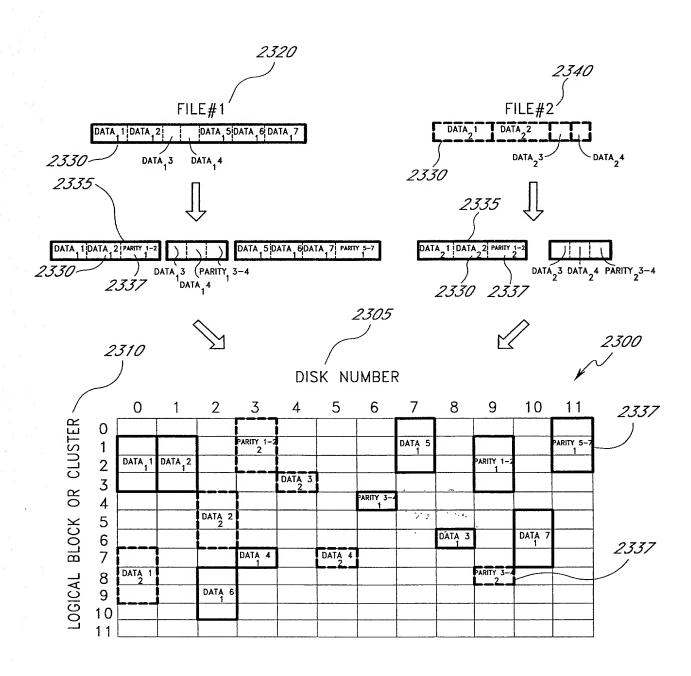


FIG.23

2400_

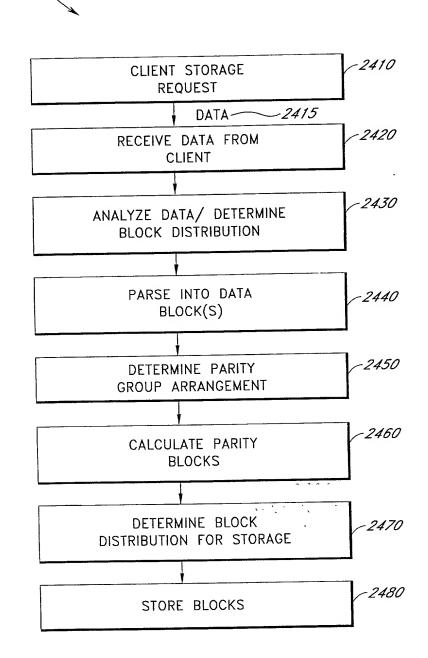


FIG.24A

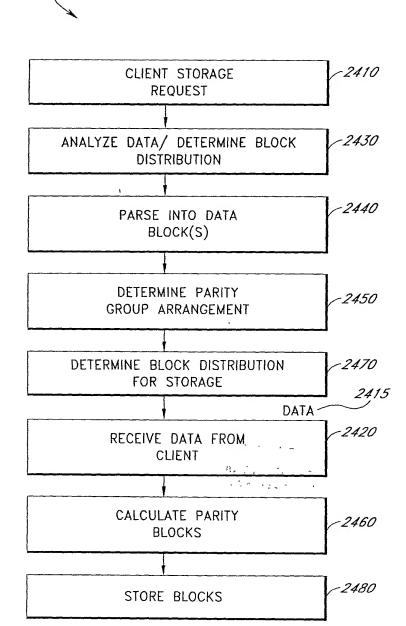


FIG.24B

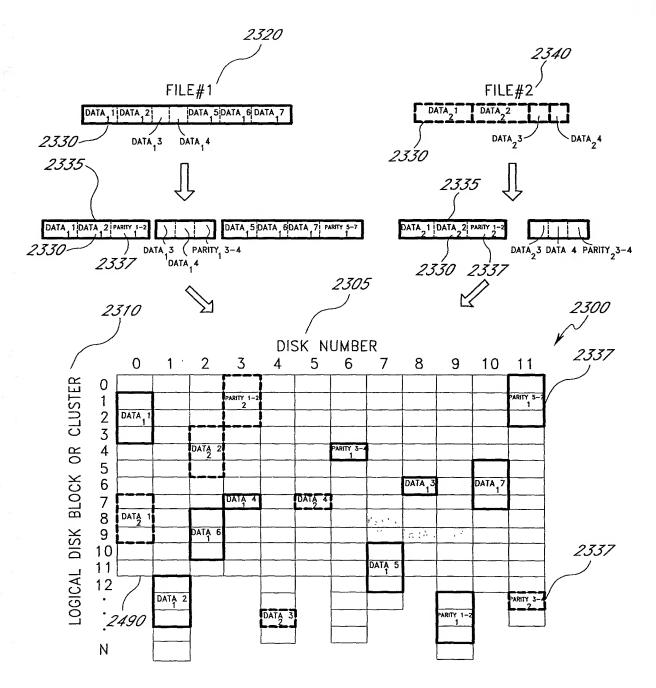


FIG.25

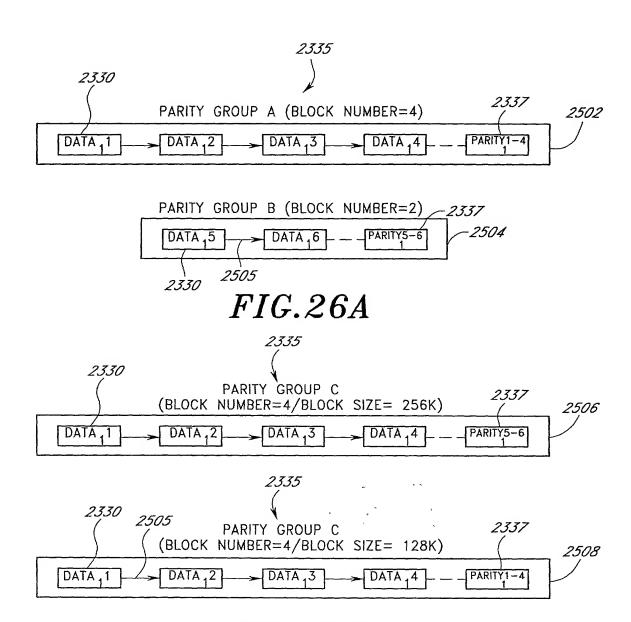


FIG.26B

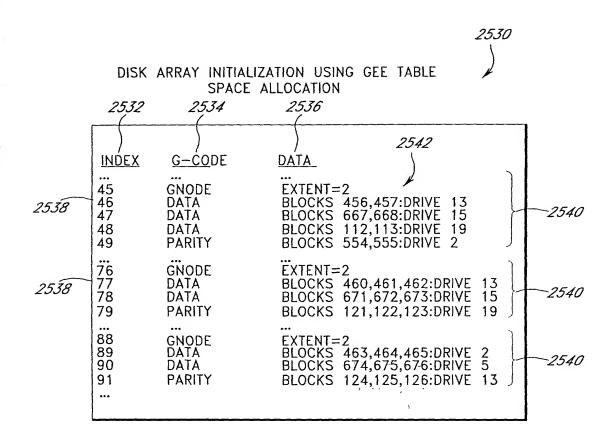


FIG.27

ARRAY PREPARATION/ G-TABLE FORMATTING

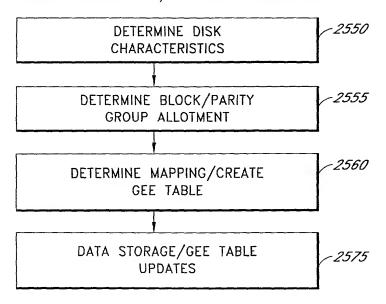


FIG.28

.. ...

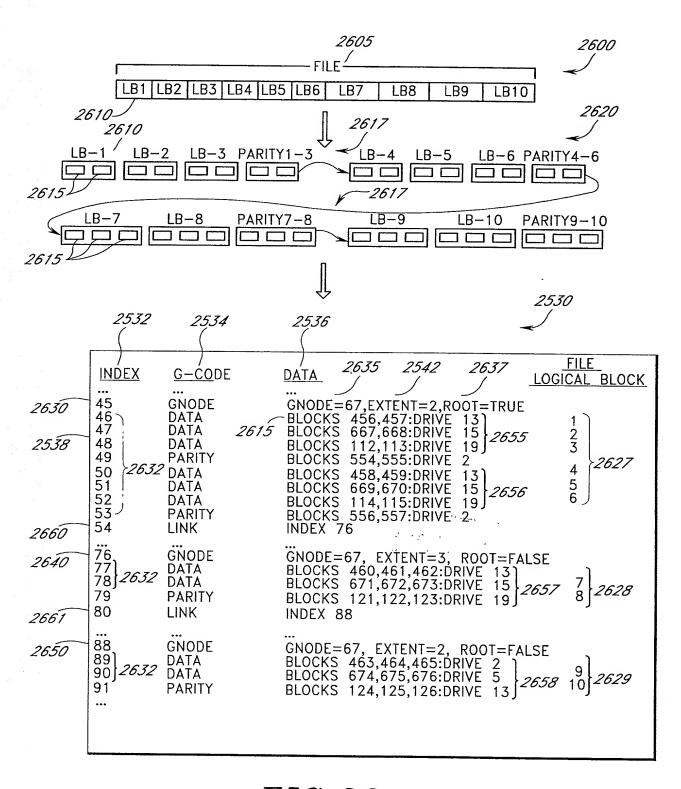


FIG.29

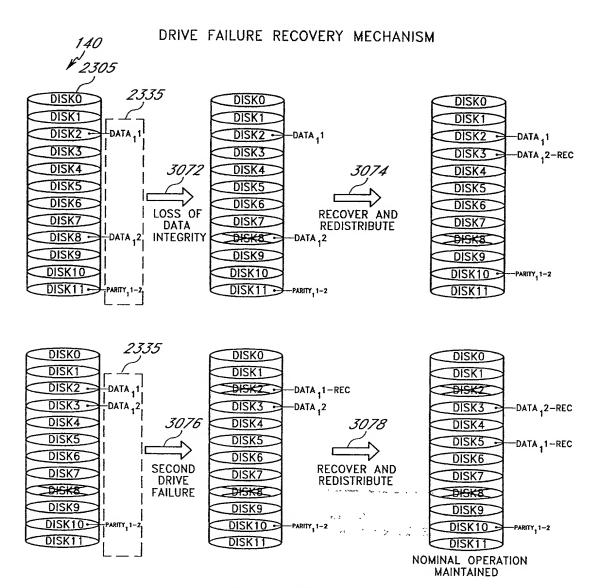


FIG.30

DATA RECOVERY PROCESS

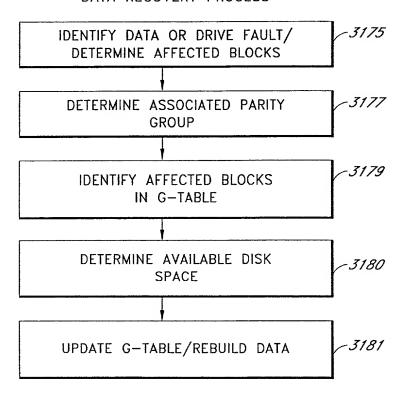
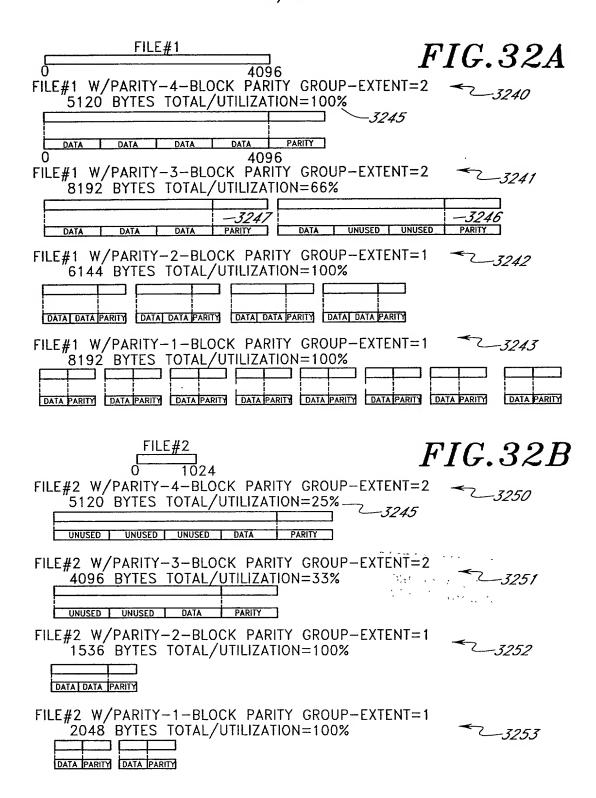


FIG.31



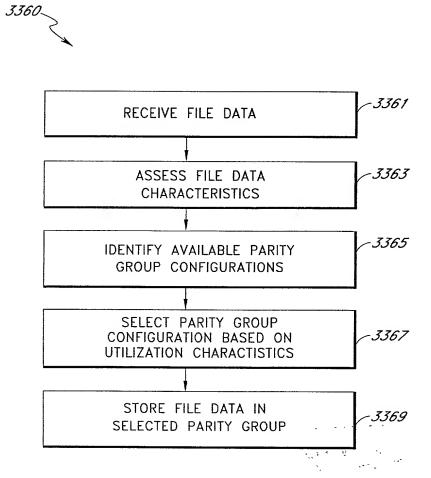
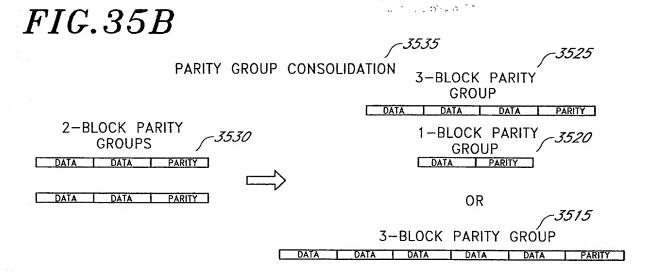


FIG.33

FIG. 34A *3491* DISK-INTIAL ALLOCATION SPACE% DATA DATA DATA PARITY 4 BLOCK PANITY 36% 10000 GROUPS DATA DATA DATA PARITY 3 BLOCK PANIT 10000 GROUPS 28% 10000 GROUPS DATA DATA PARITY 2 BLOCK PANIT 22% 10000 GROUPS DATA PARITY 1 BLOCK PANITY 14% DISK USAGE FIG. 34B 3492 DISK **FREE OCCUPIED** TOTAL SPACE% **BLOCK PANITY** 2500 GROUPS 7500 GROUPS 10000 GROUPS 36% **BLOCK PANITY** 7500 GROUPS 10000 GROUPS 28% 2500 GROUPS 3482 3500 GROUPS 10000 GROUPS BLOCK PANITY 6500 GROUPS 22% 500 GROUPS 9500 GROUPS BLOCK PANITY 10000 GROUPS 14% REDISTRIBUTION FIG. 34C DISK **FREE** OCCUPIED TOTAL SPACE% 3480 4 BLOCK PANITY 2500 GROUPS 7500 GROUPS 10000 GROUPS 36% 3481 3 BLOCK PANITY -5000 GROUPS OF 3 BLOCK PARITY 2500 groups 2500 GROUPS 5000 GROUPS 14% 3482 BLOCK PANITY 3500 GROUPS 6500 GROUPS 10000 GROUPS 22% +10000 GROUPS 3483 BLOCK PANITY OF 1 BLOCK PARITY 28% 10500 GROUPS 9500 GROUPS 20000 GROUPS REDISTRIBUTION

37/46 PARITY GROUP REDISTRIBUTION PROCESSES FIG.35APARITY GROUP DISSOLUTION 5-BLOCK PARITY GROUP 3-BLOCK PARITY 1-BLOCK PARITY **GROUP GROUP** OR 3530 2-BLOCK PARITY 2-BLOCK PARITY **GROUP GROUP** OR 3520 3520 1-BLOCK PARITY 1-BLOCK PARITY 1-BLOCK PARITY **GROUP GROUP GROUP**



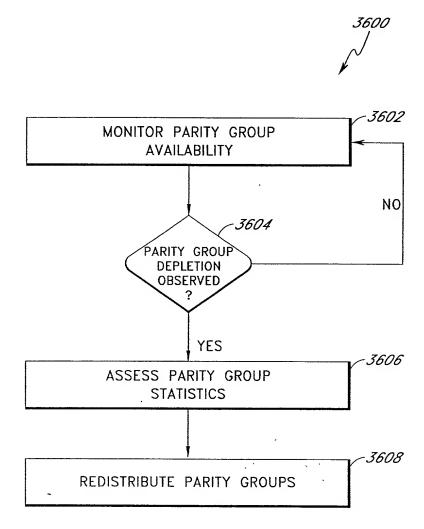
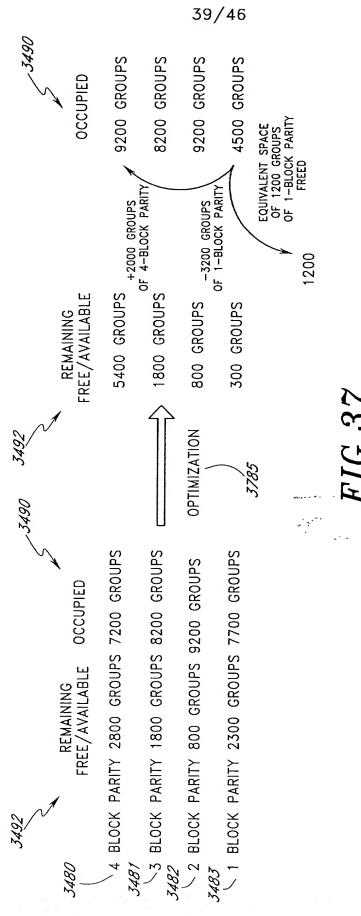


FIG.36



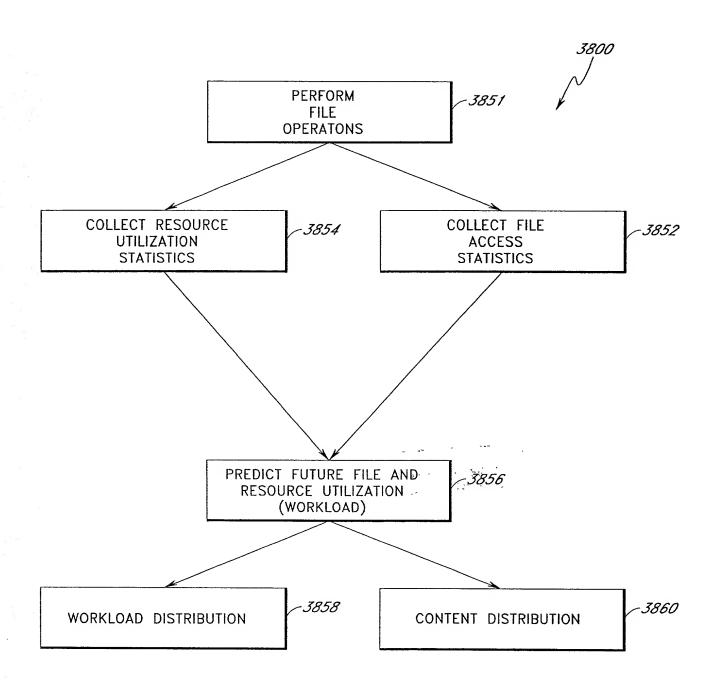
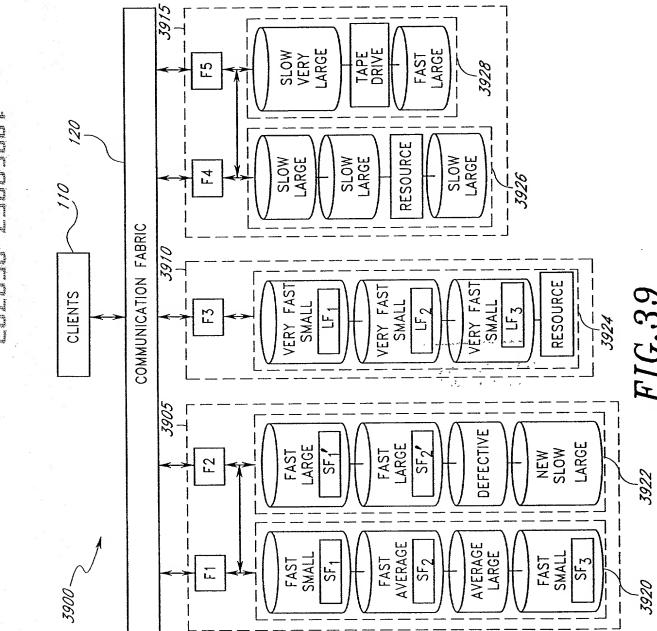
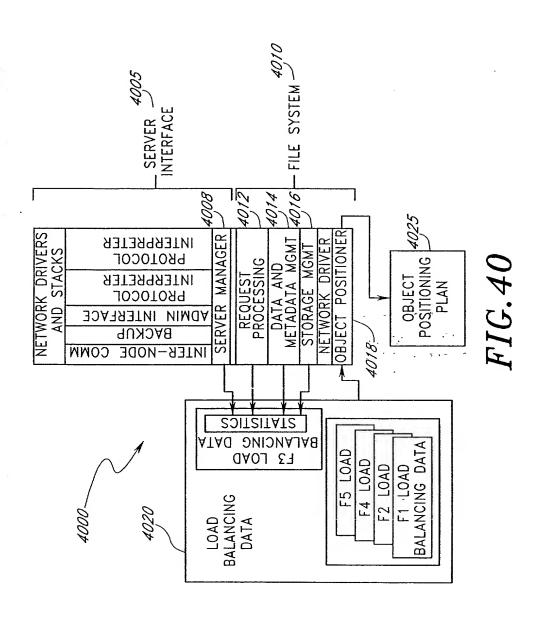


FIG.38

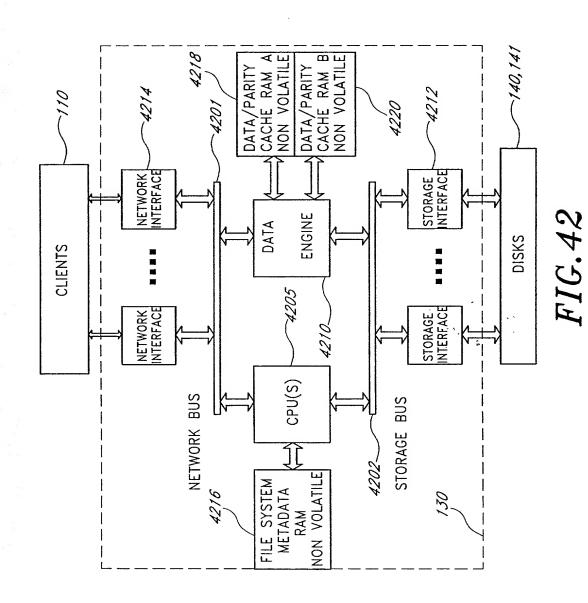




F3 OBJECT POSITIONING PLAN

- •PUSH LF TO F4-F5 CLUSTER
- •ISSUE FILE HANDLE FOR LF=STALE
- IF REQUESTED,
 - •SEND ACCEPTANCE FOR COPY OF SF TO F1
 - CREATE COPY OF SF
 - •SEND FILE HANDLE OF SF TO F1

FIG.41



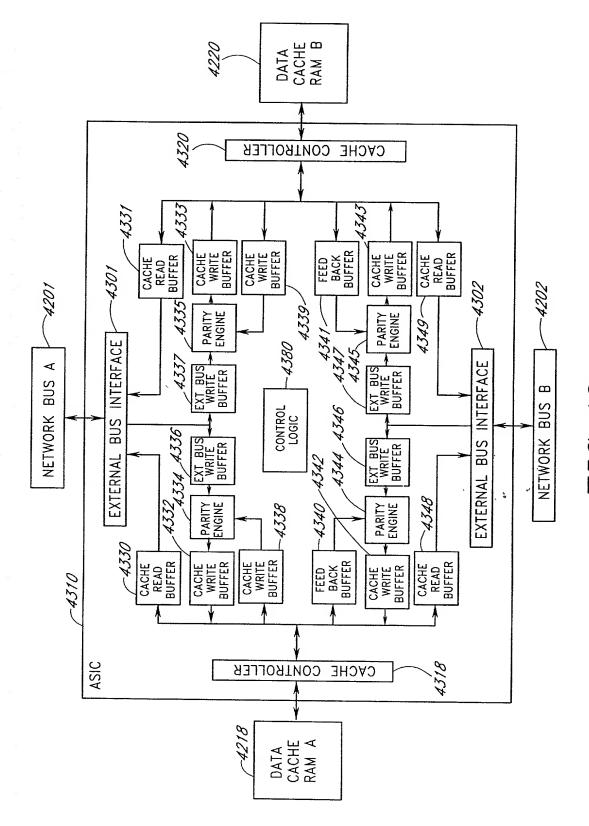


FIG. 43

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FIG. 44